

# Mayank Sharma

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## Summary

Results-driven Software Engineer with hands-on experience in building scalable backend services, REST APIs, CI/CD pipelines, microservice components, and cloud-ready applications. Proficient in Node.js, TypeScript, Python, React, SQL/NoSQL databases, and AWS. Strong background in performance optimization, automation, testing, and Agile development.

## Education

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|---|-----------------------------|
| • <b>SRM Institute of Science and Technology</b><br>B.Tech. in Computer Science<br><b>CGPA: 8.17/10</b> | <i>Sept 2021 – Jul 2025</i> |
| • <b>St. Mark's Sr. Sec. Public School</b><br>Higher Senior Secondary<br><b>Score: 83.8%</b>            | <i>Apr 2020 – Apr 2021</i>  |

## Experience

- |   |                            |
|---|----------------------------|
| <b>Software Engineer Intern</b> , Squareboat  | <i>Jun 2025 – Present</i>  |
| • Built and optimized <b>15+ production-grade REST APIs</b> in <b>NestJS, Django, and MySQL</b> , improving throughput and latency by <b>35%</b> .  |                            |
| • Architected and shipped an internal <b>Job Portal (FastAPI + React)</b> with role-based access, workflow automation, and cloud deployment.        |                            |
| • Collaborated cross-functionally to troubleshoot critical production issues, reducing downtime incidents.  |                            |
| <b>Software Engineer Intern</b> , Infomenja Services  | <i>Jan 2024 – Mar 2024</i> |
| • Engineered <b>ETL pipelines</b> using Python, pandas, and SQLAlchemy to ingest and transform <b>large, multi-source datasets</b> .                |                            |
| • Designed validation, deduplication, and schema mapping modules, reducing manual corrections by <b>60%</b> .                                       |                            |
| • Integrated automated tests, detailed documentation, and monitoring for high reliability and scalability.  |                            |
| <b>Software Engineer Intern</b> , Tresor Systems  | <i>Jul 2023 – Aug 2023</i> |
| • Developed secure <b>file-upload APIs and metadata services</b> , supporting <b>hundreds of HR documents</b> with improved performance and uptime. |                            |
| • Reduced backend API latency by <b>25%</b> through query optimization and caching.   |                            |
| • Contributed to API documentation, sprint planning, and cross-team technical communication.  |                            |

## Projects

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|---|---|
| • <b>Full Stack Blog Application</b> — GitHub       | Built a full-featured blogging platform with authentication, CRUD operations, comments, and responsive UI using <b>MERN stack</b> .   |
| • <b>Mobile Showroom Management System</b> — GitHub | Created an inventory and billing system using <b>Python + MySQL</b> , enabling stock tracking, reporting, and transaction management. |

## Technologies

**Languages / Frameworks:** JavaScript, TypeScript, Node.js, NestJS, FastAPI, Django, React, Python

**Databases / Storage:** MySQL, MongoDB, Redis

**Tools / Platforms:** Git, Docker, AWS, Postman, Bitbucket, CI/CD, Linux

**Concepts / Skills:** REST API development, Microservices, ETL pipelines, Data modeling, Query optimization, Automated testing, Authentication & Authorization, Agile methodology

## Certifications

NPTEL: Data Mining  
Udemy: MERN & GenAI 2025  
Code4Cause: Hackathon

NPTEL: Google Cloud  
Udemy: Complete Pandas  
Vihaan: Hackathon